Name Date Period

Directed Reading for Content Mastery

Features of Earthquakes

Directions: *For each of the following, write the letter of the term or phrase the best completes the sentence or answers the question.*

_____ **1.** When an earthquake occurs, energy is released in the form of _____.
a. seismic waves **b.** faults

_____ **2.** What kind of waves cause particles in rocks to move at right angles to the direction of the wave?
a. primary waves **b.** secondary waves

_____ **3.** What kind of waves cause particles in rocks to move back and forth in the same direction as the wave?
a. primary waves **b.** surface waves

_____ **4.** An earthquake's _____ is the point on Earth's surface directly above the focus.
a. elastic limit **b.** epicenter

_____ **5.** _____ waves cause the most destruction.
a. Secondary **b.** Surface

_____ **6.** _____ waves are the fastest.
a. Primary **b.** Secondary

_____ **7.** At the very center of Earth is a _____.
a. molten rock **b.** solid, dense inner core

_____ **8.** Earth's largest layer is the _____.
a. mantle **b.** crust

_____ **9.** _____ waves do not travel through the outer core.
a. Primary **b.** Secondary

_____ **10.** The point below Earth's surface where an earthquake begins is the _____ .
a. focus **b.** epicenter

_____ **11.** What kind of waves travel the slowest?
a. surface waves **b.** secondary waves

_____ **12.** _____ waves move in and up-and-down rolling and sideways motions.
a. Primary **b.** Surface

Meeting Individual Needs